

First Grade Math Pacing Guide

A Year at a Glance 2016 - 2017

Math Investigations Unit		Time Frame	CC Math Standards
Quarter 1	<p>*Begin the year by establishing classroom routines and procedures as well as your mathematical community.</p> <p>Unit 1 – How Many of Each? <i>Addition, Subtraction, and the Number System 1</i> (26 Lessons, 29 Days)</p> <p><u>Investigation 1:</u> Counting and Quantity – 4 Lessons</p> <p><u>Investigation 2:</u> Counting and Comparing – 8 Lessons (1 additional lesson -- Session 2.5A: Plus or Minus 1 BINGO)</p> <p><u>Investigation 3:</u> Combining – 7 Lessons</p> <p><u>Investigation 4:</u> Composing Numbers – 7 Lessons</p>	August 29 – October 7	1.OA.1, 1.OA.2 1.OA.3 1.OA.5 1.OA.6 1.OA.7, 1.OA.8 1.NBT.1 1.NBT.3 1.MD.4
	<p>Unit 3 – Solving Story Problems <i>Addition, Subtraction, and the Number System 2</i> (26 Lessons, 28 Days)</p> <p><u>Investigation 1:</u> Combinations – 10 Lessons (1 additional lesson -- Session 1.10A: True or False?)</p> <p><u>Investigation 2:</u> Introducing Subtraction – 3 Lessons</p> <p><u>Investigation 3:</u> Working with Addition and Subtraction – 5 Lessons</p> <p><u>Investigation 4:</u> Counting Larger Amounts – 8 Lessons</p>	October 10 – November 18	1.OA.1, 1.OA.2 1.OA.3, 1.OA.4 1.OA.5, 1.OA.6 1.OA.7, 1.OA.8 1.NBT.1 1.NBT.3 1.MD.4
	<p>Unit 4 – What Would You Rather Be? <i>Data Analysis</i> (11 Lessons, 12 Days)</p> <p><u>Investigation 1:</u> Sorting – 4 Lessons</p> <p><u>Investigation 2:</u> Collecting and Representing Data – 5 Lessons</p> <p><u>Investigation 3:</u> Comparing Age Data – 2 Lessons (Omit Sessions 3.1 - 3.3. Sessions are condensed into Session 3.4A) (1 additional lesson -- Session 3.4A: Representing & Describing Data)</p>	November 21 – December 9	1.MD.4 1.NBT.1 1.NBT.3
	<p>Unit 2 and Unit 9 – Making Shapes, Blocks and Boxes <i>2-D and 3-D Geometry</i> (16 Lessons, 20 Days)</p> <p>Unit 2 – Making Shapes and Designing Quilts <i>(2-D Geometry)</i></p> <p><u>Investigation 1:</u> Composing and Decomposing 2-D Shapes – 7 Lessons</p> <p><u>Investigation 2:</u> Describing and Sorting Shapes – 5 Lessons</p> <p><u>Investigation 3:</u> Quilts – 4 Optional Lessons</p> <p>Unit 9 – Blocks and Boxes <i>(3-D Geometry)</i></p> <p><u>Investigation 1:</u> Comparing and Constructing 3-D Shapes – 2 Lessons (Combine or condense Sessions 1.1 – 1.2 and Sessions 1.4 – 1.5) (Omit Sessions 1.3, 1.6 – 1.8)</p> <p><u>Investigation 2:</u> Building a Block Town – 2 Lessons (Combine or condense Sessions 2.1 – 2.2) (Omit Sessions 2.3 – 2.8) (1 additional lesson – Session 2.3A: Cones and Cylinders)</p>	December 12 – January 20	1.G.1 1.G.2 1.NBT.1 1.MD.4

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Quarter 3	Unit 5 – Fish Lengths and Animal Jumps <i>Measurement</i> (15 Lessons, 18 Days) <u>Investigation 1:</u> Learning to Measure – 6 Lessons (Omit Session 1.5 and replace with Session 1.5A: Measuring Keepers) <u>Investigation 2:</u> Measuring Distances – 5 lessons <u>Investigation 3A:</u> Halves and Fourths – 4 Lessons (4 additional lessons -- Sessions 3A.1 – 3A.4)	January 25 – February 17	1.MD.1 1.MD.2 1.G.3 1.NBT.1 1.NBT.3 1.OA.1 1.MD.3 1.G.2
	Unit 6 – Number Games and Crayon Puzzles <i>Addition, Subtraction, and the Number System 3</i> (23 Lessons, 25 Days) <u>Investigation 1:</u> Combinations of Ten – 9 Lessons (2 additional lessons -- Sessions 1.8A: Story Problems and Missing Parts and 1.8B: More Story Problems with Missing Parts) <u>Investigation 2:</u> Combinations of Numbers – 6 Lessons (1 additional lesson -- Session 2.6A: True or False?) <u>Investigation 3:</u> Addition and Subtraction – 8 Lessons	February 20 – March 24	1.OA.1, 1.OA.2 1.OA.3, 1.OA.4 1.OA.5, 1.OA.6 1.OA.7, 1.OA.8 1.NBT.1 1.NBT.2 1.NBT.3 1.MD.3 1.MD.4
	Unit 7 – Color, Shape, and Number Patterns <i>Patterns and Functions</i> (9 Lessons, 4 Days) <u>Investigation 1:</u> Repeating Patterns – 2 Lessons (Refer to Replacement Activities for Investigation 1) <u>Investigation 2:</u> Number Sequences – 7 Lessons *Patterning is not a critical area. Sessions may be omitted or combined.	March 27 – March 30	1.OA.1 1.OA.2 1.OA.5 1.OA.6 1.OA.7 1.OA.8 1.NBT.1
Quarter 4	Unit 8 – Twos, Fives, and Tens <i>Addition, Subtraction, and the Number System 4</i> (23 Lessons, 44 Days) <u>Investigation 1:</u> Getting to 100 – 4 Lessons (Omit Session 1.3 and replace with Session 1.3A: Counting to 120 and Beyond) <u>Investigation 2:</u> Twos, Fives, and Tens – 8 Lessons <u>Investigation 3:</u> Tens – 6 Lessons <u>Investigation 4A:</u> Adding and Subtracting with 2-Digit Numbers – 5 Lessons (5 additional lessons -- Sessions 4A.1 – 4A.5) *Additional Place Value Unit available on DPI Wikispace (http://maccss.ncdpi.wikispaces.net/First+Grade) Review & Assessments	April 3 – June 9	1.OA.1, 1.OA.2 1.OA.3 1.OA.5, 1.OA.6 1.OA.7, 1.OA.8 1.NBT.1 1.NBT.2 1.NBT.3 1.NBT.4 1.NBT.5 1.NBT.6